
FITTINGS & TUBING

Low pressure « Speedbite », Single ferrule to 15,000 psi

Includes Valves, Check Valves, Filters & Couplings

Price list upon request

PRINCIPLE

The Speedbite connection is a single-ferrule bite-type compression fitting manually tightened. Vinci technologies' fittings are compatible with similar fittings from other suppliers.

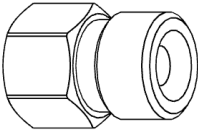
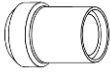
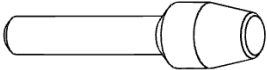
FEATURES

- *Single-ferrule compression sleeve connections for up to 15,000 psi MAWP*
- *Operating temperatures from -75°C to + 200°C*
- *Fast easy 1-1/4 turn make-up of connection*
- *Available sizes are 1/16", 1/8", 1/4", 3/8"*
- *Molybdenum disulfide-coated gland nuts to prevent galling*
- *Wetted parts in stainless steel or Hastelloy C276*

All Vinci technologies' fittings are marked with part number, material and maximum pressure for complete traceability.

CONNECTION COMPONENTS

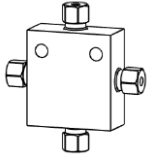
All valves and fittings are supplied complete with appropriate glands and compression sleeves. To order these components separately, use order numbers listed.

		Gland	Ferrule	Plug
				
Tube O.D.	1/16" 15 ksi	Std0030950 (3/8" spanner)	#0051241 (SS) #0051242 (C276)	Std0021171 (SS) #0051243 (C276)
	1/8" 15 ksi	Std0039314 (1/2" spanner) Std0019420 (3/8" spanner) Std0013586 (1/2" spanner - extended)	#0047999 (SS) Std0041115(C276)	Std0021170 (SS) Std0035712 (C276)
	1/4" 11.5 ksi	#0051249 Std0039760 (extended) Std0038812 (extra extended)	#0051247 (SS) #0051248 (C276)	#0051244 (SS) #0051246 (C276)
	3/8" 7.5 ksi	Std0040654 Std0038522 (extended)	#0051250 (SS) #0051251 (C276)	#0051252 (SS) #0051253 (C276)

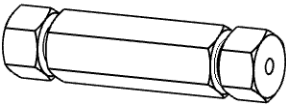
TEES

		Tube size		
		1/8" 15 ksi	1/4" 11.5 ksi	3/8" 7.5 ksi
Material	SS	Te-101	Te-102	Te-103
	C276	Te-111	Te-112	Te-113

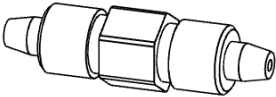
CROSSES

		<i>Tube size</i>		
		<i>1/8"</i> <i>15 ksi</i>	<i>1/4"</i> <i>11.5 ksi</i>	<i>3/8"</i> <i>7.5 ksi</i>
<i>Material</i>	<i>SS</i>	<i>Cr-101</i>	<i>Cr-102</i>	<i>Cr-103</i>
	<i>C276</i>	<i>Cr-111</i>	<i>Cr-112</i>	<i>Cr-113</i>

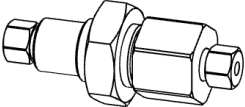
STRAIGHT FEMALE COUPLINGS

		<i>Tube size</i>		
		<i>1/8"</i> <i>15 ksi</i>	<i>1/4"</i> <i>11.5 ksi</i>	<i>3/8"</i> <i>7.5 ksi</i>
<i>Material</i>	<i>SS</i>	<i>Co-101</i>	<i>Co-102</i>	<i>Co-103</i>
	<i>C276</i>	<i>Co-111</i>	<i>Co-112</i>	<i>Co-113</i>

STRAIGHT MALE COUPLINGS

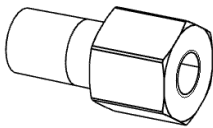
		<i>Tube size</i>		
		<i>1/8"</i> <i>15 ksi</i>	<i>1/4"</i> <i>11.5 ksi</i>	<i>3/8"</i> <i>7.5 ksi</i>
<i>Material</i>	<i>SS</i>	<i>Std0000313</i>		
	<i>C276</i>	<i>Std0000314</i>		

BULKHEAD COUPLINGS



		Tube size		
		1/8"	1/4"	3/8"
		15 ksi	11.5 ksi	7.5 ksi
Material	SS	Bh-101	Bh-102	Bh-103
	C276	Bh-111	Bh-112	Bh-113

LP TO MALE NPT COUPLINGS



		Tube size	
		1/8" to Male 1/8" NPT 15 ksi	1/8" to Male 1/4" NPT 11.5 ksi
Material	SS	#0051338	#0051342
	C276	#0051341	#0051344

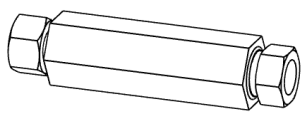
CHECK VALVES

Provide unidirectional flow and tight shut-off for liquids and gases with high reliability. When differential drops below cracking pressure, valve shuts off.

Cracking Pressure: 20 psi ±30%

Installation: Vertical or Horizontal as required.

Flow Direction Arrow marked on valve body.




		Tube size		
		1/8"	1/4"	3/8"
		15 ksi	11.5 ksi	7.5 ksi
Material	SS	Cv-101	Cv-102	Cv-103
	C276	Cv-111	Cv-112	Cv-113

FILTERS

Line filters are used in system lines to remove contaminating particles from the system fluid. Upstream filter of larger micron rating than downstream filter to prevent clogging of downstream filter.

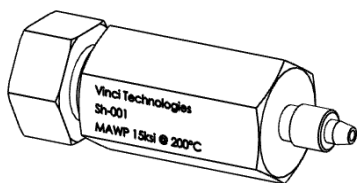
Micron rating of filter must be specified. To order, complete the catalog number with the desired micron rating, upstream first: FI-001-40/20 specifies a line filter with a 40 micron filter upstream and 20 micron downstream.



		Tube size		
		1/8"	1/4"	3/8"
		15 ksi	11.5 ksi	7.5 ksi
Material	SS	FI-101	FI-102	FI-103
	C276	FI-111	FI-112	FI-113

SAFETY HEADS & RUPTURE DISCS

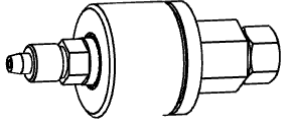
Vinci Technologies safety head assemblies serve as holders for standard rupture discs (sold separately). Safety heads with rupture discs are used as simple and inexpensive overpressure relief devices. System pressure is relieved as a result of rupture of the replaceable disc. The safety head assemblies shown are designed for use in high pressure systems up to 15 ksi. They can be installed directly into any of our standard couplings, elbows, tees, or crosses. Their versatility also allows direct installation into a standard 3-way valve. The result is a combination valve/safety head with beneficial cost and space advantages. Standard material of construction is stainless steel. Safety head assemblies features a 1/4" blow-out diameter.



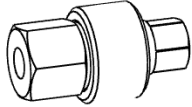
Sh-001	
Tube size	Pressure rating
1/8"	Up to 15 ksi @ 200°C (depending on disc)

QUICK COUPLINGS

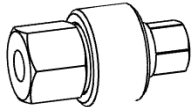
Made of two independent parts. Sealing is made by a o-ring. Parts are held by a nut enabling fast and secure disconnection or orientation modification.



		<i>Model (1/8" Tube size 15 ksi)</i>		
		<i>Female to female 1/8"</i>	<i>Male to female 1/8"</i>	<i>Male to Male 1/8"</i>
<i>Material</i>	<i>SS</i>	<i>Qc-101</i>	<i>Qc-201</i>	<i>Qc-301</i>
	<i>C276</i>	<i>Qc-111</i>	<i>Qc-211</i>	<i>Qc-311</i>
	<i>Titanium</i>	<i>Qc-121</i>	<i>Qc-221</i>	<i>Qc-321</i>



		<i>Model (1/4" Tube size 11.5 ksi)</i>		
		<i>Female to female 1/4"</i>	<i>Male to female 1/4"</i>	<i>Male to Male 1/4"</i>
<i>Material</i>	<i>SS</i>	<i>Qc-102</i>	<i>Qc-202</i>	<i>Qc-302</i>
	<i>C276</i>	<i>Qc-112</i>	<i>Qc-212</i>	<i>Qc-312</i>
	<i>Titanium</i>	<i>Qc-122</i>	<i>Qc-222</i>	<i>Qc-322</i>



		<i>Model (3/8" Tube size 7.5 ksi)</i>		
		<i>Female to female 3/8"</i>	<i>Male to female 3/8"</i>	<i>Male to Male 3/8"</i>
<i>Material</i>	<i>SS</i>	<i>Qc-103</i>	<i>Qc-203</i>	<i>Qc-303</i>
	<i>C276</i>	<i>Qc-113</i>	<i>Qc-213</i>	<i>Qc-313</i>
	<i>Titanium</i>	<i>Qc-123</i>	<i>Qc-223</i>	<i>Qc-323</i>

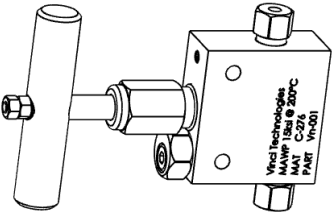
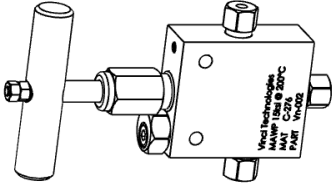
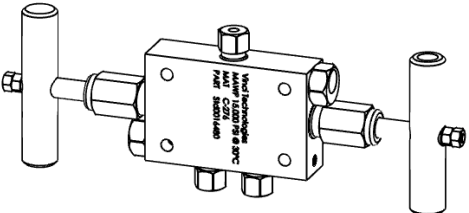
QUICK INSULATORS

Dedicated to electrical and resistivity measurements applications. Made of two independent parts separated and isolated to basic insulation level (BIL)

		<i>Model (1/8" Tube size 15 ksi)</i>		
		<i>Female to female 1/8"</i>	<i>Male to female 1/8"</i>	<i>Male to Male 1/8"</i>
<i>Material</i>	SS	<i>Qi-101</i>	<i>Qi-201</i>	<i>Qi-301</i>
	C276	<i>Qi-111</i>	<i>Qi-211</i>	<i>Qi-311</i>

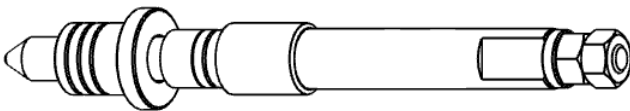
NEEDLE VALVES

Vinci Technologies needle valves are designed for liquid and gas flow control in petroleum, chemical, power generating and general industrial applications. The valves are designed for operation at temperatures ranging from -73° to +200°C. Their rugged construction provides assurance of fail-safe operation at pressures ranging to 15 ksi.

<p style="text-align: center;">2-WAY STRAIGHT</p> 	<p style="text-align: center;">Material C276</p> <p style="text-align: center;">1/8" TUBE SIZE MAWP 15 ksi @200°C Vn-001</p>
<p style="text-align: center;">3-WAY TWO ON PRESSURE</p> 	<p style="text-align: center;">Material C276</p> <p style="text-align: center;">1/8" TUBE SIZE MAWP 15 ksi @200°C Vn-002</p>
<p style="text-align: center;">2-STEM MANIFOLD</p> 	<p style="text-align: center;">Material C276</p> <p style="text-align: center;">1/8" TUBE SIZE MAWP 15 ksi @200°C Vn-006</p>

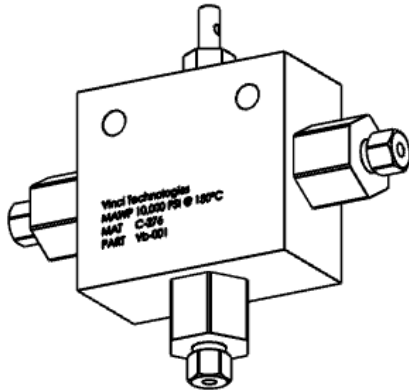
Vinci Technologies offers repair kits including stem, stem sleeve, stem nuts and washers, packings and packing washers.

ST-011-0 Stem assembly C276 1/8" for Vn-001 / Vn-002 / Vn-006



BALL VALVES

Vinci Technologies 3-way ball valves for switching service are ball valves designed to direct media from bottom inlet port to one of two separate lines. This flow can also be performed in reverse. The 180° quarter-turn design allows for positive shutoff in the center position. The valves are designed for operation at temperatures ranging from -73° to +150°C. Their rugged construction provides assurance of fail-safe operation at pressures ranging to 10 ksi.



Material C276

1/8" TUBE SIZE

MAWP 10 ksi @150°C

Vb-001